EXHIBIT "A"



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CONFIDENTIAL

Mass Spectrometry Laboratory Analysis Report #7609

Flavor Analysis of Oregon Chai-Vanilla Chai Tea Latte Powder

Dear Mr. Sheehan:

This is the report pertaining to the above-captioned samples that you submitted for flavor analysis.

I Sample Log

The following samples were received for analysis:

1. Oregon Chai-Vanilla Chai Tea Latte Powder Production Code: 080940002

II Analysis Request

The analysis request was to extract and analyze the flavors from the product.

III Analysis Methodology

The product (1.0 g) was transferred to a borosilicate glass test tube sealed with Teflon-lined, screw cap closure, matrix-spiked with 1.0 μ g of naphthalene- d_8 internal standard (1.0 ppm w/v) and extracted with 5.0 ml of methylene chloride. The sample was centrifuged 30 minutes at 2500 rpm and the the upper, clear supernatant layer was concentrated under a gentle stream of nitrogen to a final volume of approximately 0.5 mL then transferred to a Purge & Trap apparatus (Scientific Instrument Services, Solid Sample P&T system) and subjected to Purge & Trap-Thermal Desorption-GC-MS analysis as follows:

Purge & Trap-Thermal Desorption-GC-MS

Concentrated methylene chloride extract prepared as described above was evaporated to dryness in a stream of nitrogen gas inside the glass tubing of the purge & trap apparatus (SIS Solid Sample Purge & Trap Oven). Immediately upon reaching dryness the sample was subjected to P&T analysis by purging with nitrogen at 50 ml per minute for 30 minutes at 150°C. The exhaust of the P&T apparatus was fitted with a Tenax-TA adsorbent trap. The traps were then connected to the Short Path Thermal Desorption system and thermally desorbed directly into the GC-MS system for final analysis (SIS Model TD-4 Short Path Thermal Desorber). The thermal desorption conditions were 250°C for 5 minutes. A method blank was prepared and analyzed prior to the vanilla ice cream sample. Compounds detected in the method blank were disregarded in the data treatment of the test sample.

GC-MS Analysis Methodology

Analyses of Tenax traps prepared as described above were conducted using a Scientific Instrument Services (SIS) model TD4 Short Path Thermal Desorber interfaced to the Varian 3400 GC directly coupled to a Finnigan TSQ-7000 triple stage quadrapole tandem mass spectrometer equipped with an Xcaliber data system. Thermal desorption conditions were 250°C for 5 minutes using subambient, cryogenic GC column temperature programming. The GC was equipped with a 60 meter x 0.32 mm i.d. Guardian-ZB-5MS capillary column with a 1.0 μm film thickness (Phenomonex). The mass spectrometer was operated in electron ionization mode (70 eV) scanning masses 35-350 once each second.

Materials

Naphthalene- d_8 used as internal standard for the study was purchased from Sigma-Aldrich Chemical Co, St. Louis MO. Methylene chloride was purchased from Thermo Fisher Scientific. All thermal desorption supplies were purchased from Scientific Instrument Services, Inc., Ringoes, NJ.

IV Results

The GC-MS analysis data for the Chai-Vanilla Tea Latte product is summarized in Table 1. The GC-MS chromatogram corresponding to the Table is presented in Figure 1. From left to right, the Table lists the MS scan number (from centroid of peak), peak area integration, peak identification and then concentration data expressed in parts per million (ppm w/v). The data is semi-quantitative and based on peak area ratio to the matrix-spiked internal standard (naphthalene- d_8) assuming a detector response factor of 1.0 with no correction for extraction efficiency.

If you have any questions or if I can be of further assistance to you then please don't hesitate to contact me.

Respectfully Submitted,

Thomas G. Hartman, Ph.D.

Mass Spectrometry Lab Director

& Research Professor

Attachments

- ► Table 1, Analysis Results Summary
- ► Figure 1, GC-MS Chromatogram
- Analysis Data Forms
- Photo of Test Sample

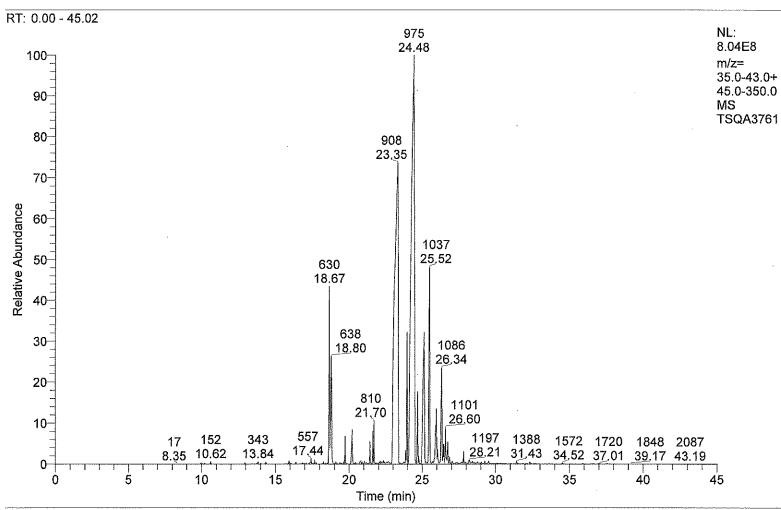
Table 1

Sheehan & Associates, P.C., Project #7609 Oregon Chai-Vanilla Chai Tea Latte Powder Production Code: 080940002

Methylene Chloride Extract of with 1 ppm Matrix-Spiked Int. Std. by P&T-TD-GC-MS

Data File = TSQA3761

MS	Area		Conc.
Scan #	Integration	Peak Assignment	PPM w/w
128	72979	diacetyl	0.03
320		butyric acid	0.02
338		hexanal	0.01
433		pentanoic acid	0.01
521		alpha-pinene	0.02
537		sabinene	0.02
557 565		hexanoic acid + benzaldehyde	0.24
503 571		6-methyl-5-hepten-2-one	0.02
577		myrcene beta-pinene	0.07
587		octanal	0.02
602		phellandrene	0.01
607		alpha-terpinene	0.02
613		2-carene	0.05
622		p-cymene	0.03 0.03
630	12774499		4.45
638		benzyl alcohol	4.43
656		2-hydroxybenzaldehyde + gamma-terpinene	0.07
678	59982	phenylmethyl formate	0.02
688		terpinolene	0.02
693	2055563		0.72
721	4714233		1.64
734	181833	2-cyclohexen-1-ol, 1-methyl-4-(1-methylethyl)	0.06
744	31638	limonene oxide	0.01
756	561724	octanoic acid	0.20
761		benzyl acetate	0.07
771	187033	benzene propanal	0.07
777		benzoic acid	0.07
793		4-terpineol	0.55
805	2108650	alpha-terpineol	0.73
810	2872727	naphthalene-d8 (internal standard)	1.00
835		linallyl acetate	0.06
843	215384		0.07
849		2-methoxybenzaldehyde	0.07
853		carvone	0.03
863		nonanoic acid	0.07
909		cinnamic aldehyde	55.59
939	9104/1	delta-elemene + alpha-terpineol acetate	0.32
975	184660143		64.28
988 992		eugenyl methyl ether	2.35
1015	521400		0.18
1015	30865726		10.74
1027	25207074	? sesquiterpene	0.04
1064		caryophyllene	8.84
1064		dihydrocoumarin curcumene	3.34
1086		eugenyl acetate	0.47
1092			4.36
1092	1178417	eremophylene	0.42
1101		delta-cadinene	0.41
1110		derra-cadmene 2-methoxycinnamic aldehyde	1.15
1174		z-metrioxycrimamic aldenyde caryophhyllene oxide	0.66
1117-1306			0.32
1311	62761 I	complex mixture of sesquiterpenes, sesquiterpene alcohols & sesquiterpene oxides benzoate	1.63
1388	281463		0.02
1000		Total	0.10
		I VIGI	169.76



TSQA3761

Type: Unknown ID: 1 Row: 1

Sample Name:

Oregon Chai-Vanilla Chai Tea Latte Powder (Production

Code: 080940002), DCM Extract, 150C/30min, matrix spiked

with w/w 1.0ppm Int. Std. by P&T-TD-GC-MS

Study:

Client: Laboratory: Sheehan & Associates, P.C., LLN7609 Mass Spectrometry - Dr. Tom Hartman

Company: Phone:

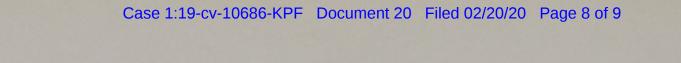
Instrument Method:

C:\Xcalibur\methods\voc45solventdelay8min.meth

Processing Method:

Vial: 1
Injection Volume (µl): 10.00
Sample Weight: 0.00
Sample Volume (µl): 0.00
ISTD Amount: 0.00

Dil Factor: 1.00





CHAITEA LATTE Vanilla

Vanilla and honey combine with premium black tea and chai spices

